

### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: PTERIDINE NUCLEOTIDE ANALOGS, the specification of which was filed on 07 September 1999 as PCT International Application No. PCT/US99/20541, and which received U.S. Serial Number 09/786,666.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

#### Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes <input type="checkbox"/> No <input type="checkbox"/>
			Yes <input type="checkbox"/> No <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/099,487	08 September 1998

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) of the Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Office of Technology Transfer, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

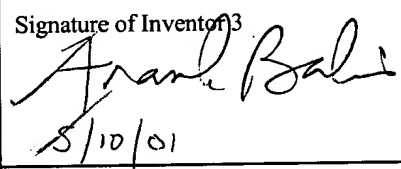
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Robert Benson, Reg. No. 33,612  
Steven M. Ferguson, Reg. No. 38,448  
James C. Haight, Reg. No. 25,588  
John P. Kim, Reg. No. 38,514

Susan S. Rucker, Reg. No. 35,762  
David R. Sadowski, Reg. No. 32,808  
Jack Spiegel, Reg. No. 34,477

Send Correspondence to Appointed Associate Attorney or Agent Address:  <b>Eugenia Garrett-Wackowski</b> <b>TOWNSEND and TOWNSEND and CREW LLP</b> <b>Two Embarcadero Center, 8th Floor</b> <b>San Francisco, CA 94111-3834</b>	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  <b>Name: Eugenia Garrett-Wackowski</b> <b>Reg. No.: 37,330</b> <b>Telephone: 415/576-0200</b> <b>Fax: 415/576-0300</b>
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Full Name of Inventor 1	Last Name Hawkins	First Name Mary	Middle Name or Initial E.	
Residence & Citizenship	City Potomac	State/Foreign Country Maryland	Country of Citizenship US	
Post Office Address	Post Office Address 5 Eldwick Court	City Potomac	State/Country Maryland	Zip Code 20854
Full Name of Inventor 2	Last Name Pfleiderer	First Name Wolfgang	Middle Name or Initial	
Residence & Citizenship	City Konstanz	State/Foreign Country Germany	Country of Citizenship DE	
Post Office Address	Post Office Address Lindauerstrasse 47, 78464	City Konstanz	State/Country Germany	Zip Code
Full Name of Inventor 3	Last Name Balis	First Name Frank	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country Maryland	Country of Citizenship US	
Post Office Address	Post Office Address 6310 Rockhurst Road	City Bethesda	State/Country Maryland	Zip Code 20817

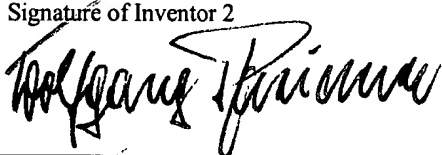
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, Section 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3  8/10/01
Date	Date	Date

Send Correspondence to Appointed Associate Attorney or Agent Address:  <b>Eugenia Garrett-Wackowski</b> <b>TOWNSEND and TOWNSEND and CREW LLP</b> <b>Two Embarcadero Center, 8th Floor</b> <b>San Francisco, CA 94111-3834</b>	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  <b>Name:</b> Eugenia Garrett-Wackowski <b>Reg. No.:</b> 37,330 <b>Telephone:</b> 415/576-0200 <b>Fax:</b> 415/576-0300
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Full Name of Inventor 1	Last Name Hawkins	First Name Mary	Middle Name or Initial E.	
Residence & Citizenship	City Potomac	State/Foreign Country Maryland	Country of Citizenship US	
Post Office Address	Post Office Address 5 Eldwick Court	City Potomac	State/Country Maryland	Zip Code 20854
Full Name of Inventor 2	Last Name Pfleiderer	First Name Wolfgang	Middle Name or Initial	
Residence & Citizenship	City Konstanz	State/Foreign Country Germany	Country of Citizenship DE	
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Full Name of Inventor 3	Last Name Balis	First Name Frank	Middle Name or Initial	
Residence & Citizenship	City Bethesda	State/Foreign Country Maryland	Country of Citizenship US	
Post Office Address	Post Office Address 6310 Rockhurst Road	City Bethesda	State/Country Maryland	Zip Code 20817

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Signature of Inventor 1	Signature of Inventor 2 	Signature of Inventor 3
Date	Date <u>5-14-2001</u>	Date

Send Correspondence to Appointed Associate Attorney or Agent Address:  <u>Eugenia Garrett-Wackowski</u> <u>TOWNSEND and TOWNSEND and CREW LLP</u> <u>Two Embarcadero Center, 8th Floor</u> <u>San Francisco, CA 94111-3834</u>	Direct Telephone Calls and Facsimiles to Appointed Associate Attorney or Agent:  Name: Eugenia Garrett-Wackowski Reg. No.: 37,330 Telephone: 415/576-0200 Fax: 415/576-0300
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Full Name of Inventor 1	Last Name <u>Hawkins</u>	First Name <u>Mary</u>	Middle Name or Initial <u>E.</u>	
Residence & Citizenship	City <u>Potomac</u>	State/Foreign Country <u>Maryland</u> <u>MD</u>	Country of Citizenship <u>US</u>	
Post Office Address	Post Office Address <u>5 Eldwick Court</u>	City <u>Potomac</u>	State/Country <u>Maryland</u>	Zip Code <u>20854</u>
Full Name of Inventor 2	Last Name <u>Pfleiderer</u>	First Name <u>Wolfgang</u>	Middle Name or Initial	
Residence & Citizenship	City <u>Konstanz</u>	State/Foreign Country <u>Germany</u> <u>DEX</u>	Country of Citizenship <u>DE</u>	
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Full Name of Inventor 3	Last Name <u>Balis</u>	First Name <u>Frank</u>	Middle Name or Initial	
Residence & Citizenship	City <u>Bethesda</u>	State/Foreign Country <u>Maryland</u> <u>MD</u>	Country of Citizenship <u>US</u>	
Post Office Address	Post Office Address <u>6310 Rockhurst Road</u>	City <u>Bethesda</u>	State/Country <u>Maryland</u>	Zip Code <u>20817</u>

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, Section 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 <i>Mary E. Hawkins</i>	Signature of Inventor 2	Signature of Inventor 3
Date <u>5-10-2001</u>	Date	Date